



EMX-H61B

Intel® 2nd/ 3rd Generation Core™/ Pentium®/ Celeron® Thin Mini ITX Motherboard with Intel® H61 Express Chipset

- > Intel® LGA1155 Socket Supports 2nd/ 3rd Generation Core™ i7/i5/i3, Pentium® and Celeron® Processors (Max. TDP at 65W)
- > Intel® H61 Express Chipset
- > Two 204-pin SO-DIMM Sockets support up to 16GB Dual-Channel DDR3/DDR3L (Jumper Selectable) 1333/1600 MHz
- > VGA, HDMI, Dual-channel 18/24-bit LVDS
- > 1 x Realtek RTL8111E PCIe Gigabit Ethernet
- > Realtek ALC662/ 661 HD Audio Codec
- > Realtek ALC112 Stereo Class-D 5W x 2 Audio Amplifier
- > 1 x Mini PCIe Supported mSATA, 1 x Mini PCIe
- > 2 x SATA II
- > 8 x I/O

+ Spec

System	
Processor	Intel® LGA1155 Socket Supports 2nd/ 3rd Generation Core™ i7/i5/i3, Pentium® and Celeron® Processors (Max. TDP at 65W)
System Chipset	Intel® H61 Express Chipset
System Memory	2 x 204-Pin DDR3 1333/1600 MHz SO-DIMM up to 16 GB
I/O Chip	EC ITE IT8728F
BIOS	AMI uEFI BIOS, 64Mbit SPI Flash ROM
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU Temperature and FAN Status with Auto Throttling Control
Expansion	
Expansion	1 x Mini PCIe Supported mSATA 1 x PCIe x 1
I/O	
USB	8 x USB 2.0
SATA	2 x SATA II 2 x SATA Power
COM Port	2 x RS-232
DIO	1 x 8-bit GPIO
Display	
Chipset	Intel® 2nd/ 3rd Generation CPU integrated Supports dual display
Resolution	HDMI: Max. resolution 1920 x 1080 @ 60Hz VGA: Max. resolution 2048 x 1536 @ 60Hz LVDS: Max. resolution 1920 x 1200 @ 60Hz VGA + LVDS, VGA + HDMI, HDMI + LVDS Dual-channel 18/ 24-bit LVDS
Audio	
Chipset	Realtek ALC661 supports 2-CH
Audio Interface	Mic-in and Line-out
Audio Amplifier	Realtek ALC112 Stereo Class-D 5W x 2 Audio Amplifier
Ethernet	
Chipset	1 x Realtek 8111E
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	1 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V ~ +19V
Power Type	ATX
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	6.69" x 6.69" (170mm x 170mm)
Weight	0.88lbs (0.4kg)

+ Ordering

EMX-H61B-A1R

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